

	d. DC power and accessory input
	c. RJ11/POTS interface
	b. Alert loop connection
	a. USB Data Interface
·sı	Back Panel Connectors
.Þſ	DEAT Indication LED
.81	Function Buttons
٦٢:	lsatPhone Pro (not included)
١١:	IsatPhone Pro Eject Button
١٥.	қ е λ _І осқ
.6	Cover Seal
.8	Speaker Phone Button
۲.	Microphone
.9	2beaker (nnder handset)
٦.	Privacy Handset
	(spring or desk/wall cup options)
.4	Mounting Cup
.ε	Marine Cover
.2	Cover Lock Clasp
٦.	IsatDock MARINE Unit

2. Specification Summary

81 vlatomixorgan ad ot asutosagmat t	:			
n-built speaker/microphone	Speaker phone			
Micro USB	Spanitarion/Data			
No connector	Privacy Handset Port			
4-way microFit AC/DC adaptor, or DC lead)	10-35V DC			
9lsm97-AM2	GPS Antenna			
Flor-Female	Inmarsat Antenna			
M17/2-wire, SREN @ 600m Adjustable dial, ring, busy tone configured frequency and adaptive impedance.	l I LA\\ZTO9			
onnectors / Interfaces				
Altitude 18000m, Velocity 515m/s	Operational Limits			
ացթ լջլ-	Sensitivity			
isition TTFF Cold 30sec, Hot 1sec				
Position 2.5m CEP, Velocity 0.1m/s, Fiming 300ns	Ассигасу			

the battery whilst docked.
degrees below the 45°C upper limit for the handset to charge
8 It is ideal for the ambient temperature to be approximately 18 *

ZHL		Update Rate		
14 tracking, 51 channel acquiring		Channels		
		GPS Module (internal)		
H8 %S7 =>		Humidity		
+32°F to 113°F	2°24+ of 2°0	Battery Carging Temp*		
4°281+ ot 4°18-	2°28+ of 2°2€-	Storage		
3°821+ ot 3°22-	2°07+ of 2°0£-	Operating Range		
Environment Specifications				
sdlee.2	g2172	Total Kit Weight		
sdl78.£	6599լ	Weight - dock		
(səqɔui)	(ww)			
4×4.7×6.01	101 x 681 x 072	SinoisnemiO		
		Physical Specifications		
WZÞ	A 2.£	Peak Current		
Wm0a	Amč	əpoM qəəl2		
WZ.01	Am2\8	Transmit + Charging		
WE.4	Am09£	Standby + Charging		
		ОтО		
W8.1	Am0£ſ	Power w/o IsatPhone		
		Current @ 12V		
	_	Consumption		
sttsW	Average	Average Power		



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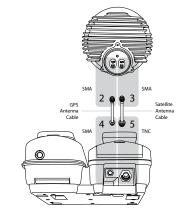


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3. Inmarsat Antenna Connection

To connect the IsatDock MARINE to the GSPS inmarsat Antennas, requires the use of certified satellite and GPS antenna cables to be used. These cables are purpose built cables as approved by Beam to manage the power requirements for the antennasystem. Approved cables can be found at www.isatdock.com/marine.

- Refer to the antennas installation guide for antenna mounting and location requirements.
- Connect the antenna cable labelled "Inmarsat" to the antenna connector labelled "ISAT" via the SMA connector.
- Connect the antenna cable labelled "GPS" to the antenna connector labelled "GPS" via the SMA connector
- Connect the GPS-SMA (Female) cable end to the IsatDock's SMA connector
- Connect the Inmarsat GSPS -TNC (Female) antenna cable end to the IsatDock's satellite connector



DO NOT pull with force on the cables from the rear of the IsatDock MARINE. Please install strain relief clamping for the antenna cables where required. Correct installation of the antenna system is a vital functionality, and drop-free calls.

WARNING

Changes or modifications not expressly approved by Beam Communications could void the user's authority to operate the equipment.

WARNING

To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 55 cm or more should be maintained between the antenna part of the IsatDock MARINE system, to ensure reliable of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

4. Privacy Handset and Mounting Cup

There are two unique mounting cups fit for the privacy handset. (1) springless cup for either a desk mounted cradle position or a wall mounted cradle position. (2) sprung cup for heavy duty use.



(1) Springless Cup

Desk mounted cradle position

The 'springless' cup is fitted to the docking station with the mounting clip in a 'flush' position.



Wall mounted cradle position

The mounting clip can be slid out and reversed, producing a protruding point that the Privacy handset rests upon. For a wall mounted docking station this retains the privacy handset and the 'spring less' cup has enough height to allow the handset to rise up off the clip and out of the mounting cup. This option would be best suited for stable conditions



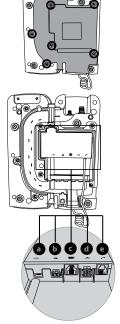
(2) Sprung Cup - Heavy duty use

In harsh environments, the Privacy handset is actively retained in the mounting cup. This is achieved by using the 'spring' mounting cup. To remove the handset from the cup, the phone is lifted up against the pressure of the spring until it clears the lower mounting pip and can be removed from the docking station.



5. Access to rear connector bay

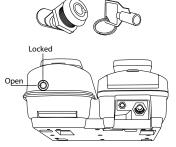
For the IsatDock MARINE, the external cable interfaces are at the rear of the docking station. The cover panel creates the IP rating for the electrical interface and retains the cables in their respective channels. The cover panel is fixed in place by 7 screws.



- a. USB Data Interface
- b. Alert loop connection
- c. RJ11/POTS interface
- d. DC power and accessory input
- e. RJ9 Privacy handset

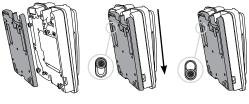
8. IsatPhone Key Lock

A barrel type lock is situated in the top of the dock. When locked, the eject button cannot be depressed and the IsatPhone Pro. Once locked, the access to the security bolt beneath the handset is also denied thus ensuring the MARINE docking station cannot be removed from their mounting bracket.



6. Mounting Orientation

There are four keyhole shaped slots in the mounting bracket that mate with feet on the rear of the plastics. To attach the bracket, the larger end of the keyhole will pass over the feet. The bracket is then slid up to lock the feet into the narrow section of the keyhole.



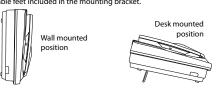
a Fit the docks feet in large holes of the bracket





The IsatDock MARINE can be mounted either flat on a desk or vertically to a wall. When wall mounting the docking station, the wall bracket is first screwed to the wall and the dock is slid into place. Two security pins are then slid into place locking the dock to the wall.

The docking station can be elevated in the desk mounted orientation by two retractable feet included in the mounting bracket.



7. Docking and Un-docking your IsatPhone Pro

To place the IsatPro Phone into the docking unit, both the 'covers' on the external antenna connectors and the USB/Audio connectors need to be opened.

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- 1. The antenna 'cover' must be placed at 90 degrees to the antenna connector cavity and run parallel to the top edge of the phone.
- 2. The 'cover' in the base of the phone should be in the a 90 degree opened position.



4. To remove the handset from the cradle, press the EJECT button at the top of the docking station. The dock will swing out and the handset can be removed.

3. To dock the handset, align the IsatPhone Pro with the phone tray and slide the handset down until it seats flush to the bottom of the tray. Swing the phone down into the cradle by applying pressure to the top of the handset. An audible 'click' is heard when the phone is in the docked position.



9. IsatDock MARINE Front Panel

Location	Button Mode	Action	LED/Sound
Mute Press		In a Call:	LED turns RED - Muted
2	on/off	Mute the microphone (uplink) on the privacy handset if connected to cradle.	LED turns OFF - Not muted
			LED flashing Yellow - RJ11/POTS in use
Up/Down	In a Call: Increase/decrease volume on the internal speaker or privacy handset if connected to cradle.	Audio will sound louder/quieter in privacy handset with each press.	
~		Out of Call: Increase/decrease volume of incoming ring tone on the internal speaker phone.	A beep will sound indicating the increased/decreased ring tone volume.
	Single Press	In Tracking Mode*:	
(1 second)	Send a tracking message to the pre-configured destination	A beep will sound to indicate that a tracking message is to be sent*	
Single Press	In Alert/Emergency Mode*:		
	(7 seconds)	Clear the alert/emergency mode and return to the Tracking mode*.	LED changes from RED (solid or flashing) to GREEN*
	Two button	In Alert Mode*:	A beep will sound indicating alert/emergency mode is activate
¥ +	press (2 seconds)	Activate the Alert/Emergency mode.	LED changes from GREEN to solid RED.
	(2 seconds)		LED will change to flashing RED once the remote server hacknowledged receiving the alert.
^ + <u>~</u>	dual button Enter LED brightness change mode. Press UP and DO	Enter LED brightness change mode. Press UP and DOWN	All LED's will change to WHITE and a single beep will soun when entering brightness change mode.
		arrows to vary intensity. Mode will automatically exit after 5 seconds after the last button press.	A short double beep will sound when exiting change mod
4))	is active.	LED turns GREEN - Speakerphone mode active	
		Out of Call: Answer inbound call in speakerphone mode	LED turns OFF - Speakerphone mode not active

- * This action is optional, only when the Tracking Mode for your IsatDock MARINE is configured and activated.
- *A beep will only sound if audible alerts are enabled in the IDMS